



Key content – knowledge and skills	National Curriculum focus (GCSE DT specification AQA)
Overview - Using the theme of “the kitchen” students develop their Design & Technology capability and technological perspectives. Investigating and exploring a range of kitchen products. Students analyse & evaluate function, materials, mechanisms and processes. By the end of the year it should be possible for students to have covered all of the aims & objectives of the KS3 curriculum and simultaneously have potentially 4 working prototypes.	Subject content: Each term students will have their technological capability assessed through Design Make and Evaluate tasks as well as increasing their in-depth Technical Knowledge Explicit reference will be made to the Maths and Science curriculums
Autumn 1: <u>Making and Evaluating</u> Students make and evaluate a product using a given polymer. They learn the processes developing their technical knowledge and making skills. <u>Evaluation and Modelling</u> Students fully evaluate their prototypes developing technical understanding and aesthetic appreciation including modification CCL – Science plastics ‘materials and properties’ year 8 summer 2	<u>Making and Evaluating</u> N.C. reference DTa1 DTscT1 DTa1 <u>Evaluation and Modelling</u> N.C. reference DTscT1 DTa3
Autumn 2: <u>Making and Evaluating</u> Students make and evaluate a product using a given polymer. They learn the processes developing their technical knowledge and making skills. <u>Evaluation and Modelling</u> Students fully evaluate their prototypes developing technical understanding and aesthetic appreciation including modification CCL – Science plastics ‘materials and properties’ year 8 summer 2	<u>Making and Evaluating</u> N.C. reference DTa1 DTscT1 DTa1 <u>Evaluation and Modelling</u> N.C. reference DTscT1 DTa3
Spring 1: <u>Design Make and Evaluate</u> Working to a given Brief and Specification students develop and make a given idea showing understanding of machining processes and scales of production	<u>Design Make and Evaluate</u> DTscE1 DTscT2 DTscD3
Spring 2: <u>Design Make and Evaluate</u> Working to a given Brief and Specification students develop and make a given idea	<u>Design Make and Evaluate</u> DTscM2 DTscT1

showing understanding of machining processes and scales of production	DTscD2 DTscD5
	<u>Design Make and Evaluate</u> DTscM2 DTscT1 DTscD2 DTscD5
Key assessment points	
<ul style="list-style-type: none"> • Students will be assessed at the end of each design and make task • Students will complete a journal to support the learning and to chronicle the knowledge and skills built through each unit of work completed • An in-depth study of a designer, demonstrating the influence that the designer had, referencing the products created • Specific questioning linked to Maths and Science through each project undertaken • Response to the "contextual challenges" 	
Christian ethos	
<p>Design and technology creates moral dilemmas on a range of levels. The Christian ethos of the school will be incorporated into the delivery of the scheme of work and referenced at key points where decisions need to be made on such areas as choice of materials, reasons for choice and implications for use of and provenance of chosen materials. The bigger questions of the design process and its implications on all levels of society will be reinforced through explicit referencing to the schools' Christian ethos in the day to day delivery of the Design and Technology curriculum</p> <p>Within all lessons teachers will model the importance of kindness, honesty, forgiveness and the importance of treating each other how we wish to be treated in all we do in order to ensure students actively develop these important behaviours. Students will also be regularly reminded to be polite, respectful and show good manners to everyone they meet. Students will also be taught to understand and respect other points of view, especially important when expressing opinions and evaluating Design & Technology ideas, processes and outcomes.</p>	
British values	
<p>British values are regularly promoted through high quality teaching of Design & Technology and by a positive behaviour policy which allows students to develop and demonstrate skills and attributes that will allow them to contribute in a positive manner in Modern Britain. These values and attitudes are promoted and reinforced by all staff and used to provide a model of behaviour for all our students.</p>	